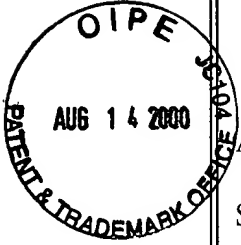


Receipt.  
**FILE COPY**

PATENT

#3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



Applicants: Jae-Yoel KIM et al.

Group Art Unit: 2734

Serial No.: 09/497,743

Docket: 678-452

Filed: February 4, 2000

Dated: August 8, 2000

For: APPARATUS AND METHOD FOR  
SPREADING CHANNEL DATA IN  
CDMA COMMUNICATION SYSTEM  
USING ORTHOGONAL TRANSMIT  
DIVERSITY

RECEIVED  
AUG 24 2000  
TECH CENTER 2700

Assistant Commissioner for Patents  
Washington, D.C. 20231

**REQUEST FOR CORRECTED FILING RECEIPT**

Sir:

Enclosed is the Official Filing Receipt received from the U.S. Patent and Trademark Office in the above-identified application for which issuance of a corrected Filing Receipt is respectfully requested.

There is an error with respect to the second Applicant's address:

"Songham-shi" should be --Songnam-shi--;

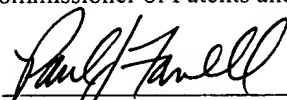
There is also an error with respect to the fourth Applicant's name:

"Hae-Won Kang" should be --Hee-Won Kang--.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on August 8, 2000.

Dated: August 8, 2000

  
Paul J. Farrell

It is Applicants' belief that these errors originated at the U.S. Patent and Trademark Office, and accordingly, no fee is believed to be required.



Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Paul J. Farrell".

Paul J. Farrell  
Registration No. 33,494  
Attorney for Applicants

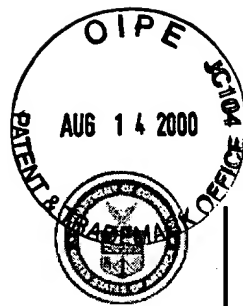
DILWORTH & BARRESE  
333 Earle Ovington Boulevard  
Uniondale, New York 11553  
(516) 228-8484

PJF:mg

## FILING RECEIPT



\*OC000000005066839\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND  
COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/497,743	02/04/2000	2734	690	678-452(P9148)	20	11	3

Paul J Farrell  
Dilworth & Barrese  
333 Earle Ovington Blvd  
Uniondale, NY 11553

Date Mailed: 04/21/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Jae-Yoel Kim, Kunpo-shi, KOREA, REPUBLIC OF;  
Seung-Joo Maeng, Songnam-shi, KOREA, REPUBLIC OF;  
Jae-Min Ahn, Seoul, KOREA, REPUBLIC OF;  
Hae-Won Kang, Seoul, KOREA, REPUBLIC OF;

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TECH CENTER 2700

## Continuing Data as Claimed by Applicant

## Foreign Applications

REPUBLIC OF KOREA 1999-4899 02/04/1999

If Required, Foreign Filing License Granted 04/20/2000

\*\*

## Title

Apparatus and method for spreading channel data in CDMA communication system using  
orthogonal transmit diversity

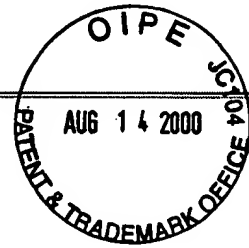
## Preliminary Class

375

Data entry by : WASHINGTON, KAREN

Team : OIPE

Date: 04/21/2000



**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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**NOT GRANTED**

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**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."

Any corrections that may need to be done to your Filing Receipt should be directed to:

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 Washington, DC 20231

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Bib Data Sheet

**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

<b>SERIAL NUMBER</b> 09/497,743	<b>FILING DATE</b> 02/04/2000 <b>RULE</b> -	<b>CLASS</b> 375	<b>GROUP ART UNIT</b> 2734	<b>ATTORNEY DOCKET NO.</b> 678-452(P9148)
<b>APPLICANTS</b> Jae-Yoel Kim, Kunpo-shi, KOREA, REPUBLIC OF; Seung-Joo Maeng, Songnam-shi, KOREA, REPUBLIC OF; Jae-Min Ahn, Seoul, KOREA, REPUBLIC OF; Hee-Won Kang, Seoul, KOREA, REPUBLIC OF;				
<b>** CONTINUING DATA *****</b> <i>ph none</i>				
<b>** FOREIGN APPLICATIONS *****</b> REPUBLIC OF KOREA 1999-4899 02/04/1999 <i>ph yes</i>				
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> <b>** 04/20/2000</b> -				
Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged <i>Paul J Farrell</i> Examiner's Signature Initials <i>ph</i>		<b>STATE OR COUNTRY</b> KOREA, REPUBLIC OF	<b>SHEETS DRAWING</b> 20	<b>TOTAL CLAIMS</b> 11
			<b>INDEPENDENT CLAIMS</b> 3	
<b>ADDRESS</b> Paul J Farrell Dilworth & Barrese 333 Earle Ovington Blvd Uniondale, NY 11553				
<b>TITLE</b> Apparatus and method for spreading channel data in CDMA communication system using orthogonal transmit diversity				
<b>FILING FEE RECEIVED</b> 690	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	